Claims

The State of the State State of the State	[c1]	1.A patient support system for a medical imaging system, comprising: a lateral rail structure attachable to a receptor of the medical imaging system; and
		a patient support movably coupled to the lateral rail structure via a rail guide structure.
	[c2]	2. The patient support system of claim 1, wherein the lateral rail structure has a curvilinear path.
	[c3]	3. The patient support system of claim 2, wherein the curvilinear path is convex.
	[c4]	4. The patient support system of claim 1, wherein the rail guide structure is releasably coupled to the lateral rail structure via a releasable latch.
		5. The patient support system of claim 1, wherein the patient support is positionally securable along the lateral rail structure via a friction-based mechanism activated by a patient load applied to the patient support.
	[c6]	6.The patient support system of claim 1, wherein the patient support is continuously movable and securable along the lateral rail structure.
	[c7]	7. The patient support system of claim 1, wherein the patient support is a patient limb support.
	[c8]	8. The patient support system of claim 1, wherein the patient support is a patient extremity support.
	[c9]	9. The patient support system of claim 8, wherein the patient support is adapted to position patient extremity in a non-obstructive location relative to the receptor.
	[c10]	10. The patient support system of claim 1, wherein patient support comprises a plurality of hand grips.
	[c11]	11. The patient support system of claim 10, wherein the plurality of hand grips are disposed at different vertical positions.

	[c12]	12.A patient support for an imaging system, comprising:
्ते हु ती पहुंची हु ते के किया है जिस है जिस है जिस ह		a curvilinear rail structure attachable to, and movable with, a radiographic receptor of the imaging system; and
		a limb support slidingly coupled to the curvilinear rail structure.
	[c13]	13. The patient support of claim 12, wherein the curvilinear rail structure has a convex path.
	[c14]	14. The patient support of claim 12, comprising a releasable latch structure coupling the limb support to the curvilinear rail structure.
	[c15]	15. The patient support of claim 12, wherein the limb support is positionally securable along the curvilinear rail structure via a holding mechanism activated by weight of a patient limb supported by the limb support.
	[c16]	16. The patient support of claim 12, wherein the limb support is continuously movable and securable along the curvilinear rail structure.
green grass wang ween genty away. I start to the start to the start that there are the start then	[c17]	17. The patient support of claim 12, wherein the limb support is adapted to position a patient limb in a non-obstructive location relative to the radiographic receptor.
	[c18]	18. The patient support of claim 12, wherein limb support comprises a hand grip.
	[c19]	19.The patient support of claim 12, wherein limb support comprises a wrist support.
	[c20]	20. The patient support of claim 12, wherein the limb support comprises a plurality of lateral support members disposed at different vertical positions.
	[c21]	21.A medical imaging system, comprising: a radiographic receptor;
		a rail structure coupled to the radiographic receptor; and a patient extremity support slidingly coupled to the rail structure.
	[c22]	22.The medical imaging system of claim 21, wherein the radiographic receptor

is a digital detector assembly.

the rail structure comprises the act of sliding the limb support along a

curvilinear path.

- [c34] 34. The method of claim 33, wherein the curvilinear path is convex.
- [c35]35. The method of claim 32, wherein the act of sliding the limb support along the rail structure comprises the act of moving the limb support in infinitesimal increments.
- [c36] 36. The method of claim 32, wherein the act of securing the limb support in the desired position comprises the act of frictionally securing the limb support.
- 37. The method of claim 36, wherein the act of frictionally securing the limb support is activated by performing the act of supporting the patient limb on the limb support.
 - 38. The method of claim 32, wherein the act of securing the limb support in the desired position comprises the act of positioning a patient limb in a nonobstructive location relative to the radiographic receptor.
 - 39.A method of forming a laterally adjustable limb support for a medical imaging system, comprising the acts of: providing a lateral rail structure attachable to a receptor of the medical imaging system; and slidingly coupling a limb support to the lateral rail structure.
 - [c40]40. The method of claim 39, wherein the lateral rail structure has a curvilinear path.
 - [c41] 41. The method of claim 40, wherein the curvilinear path is convex.
 - [c42] 42. The method of claim 39, comprising the act of providing a vertical release mechanism to facilitate vertical release of the limb support from the lateral rail structure.
 - [c43] 43. The method of claim 39, comprising the act of providing a friction-based securement mechanism to secure the limb support at a desired position along the lateral rail structure.

[c44] 44. The method of claim 43, wherein the act of providing a friction-based securement mechanism comprises the act of creating a holding force between the limb support and the receptor as a patient load is applied to the limb support. [c45] 45.A patient support structure for a medical imaging system, comprising: patient support means for supporting a patient extremity; and sliding attachment means for coupling the patient support means to a receptor of the medical imaging system. [c46] 46. The patient support structure of claim 45, wherein the sliding attachment Maria Perin means have a substantially linear path. [c47] [c47] [c48] [c48] 47. The patient support structure of claim 45, wherein the sliding attachment means have a curvilinear path. 48. The patient support structure of claim 45, comprising support releasing means for releasing the patient support means from the sliding attachment means.

49. The patient support structure of claim 45, comprising support securing

means for removably securing the patient support means to the sliding

attachment means.